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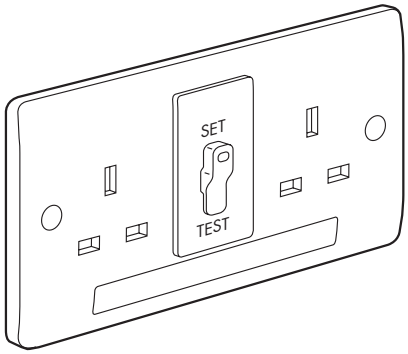
Synergy®
RCD protected 13 A socket outlets

Cat. No(s) : 7300 97/98



7300 97

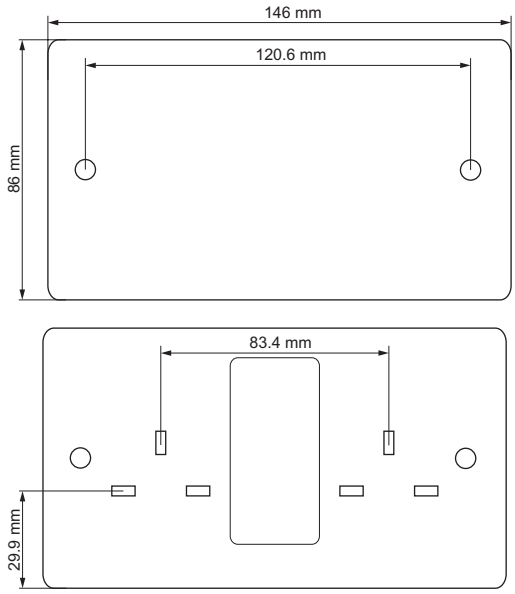
1. APPLICATIONS

Device to provide local 30 mA protection for 13 A socket outlets capable of supplying equipment being used outside the main earthing equipotential zone. Versions avaible with passive switching (remains latched after a power failure) or active switching (requires manually resetting after a power failure)..

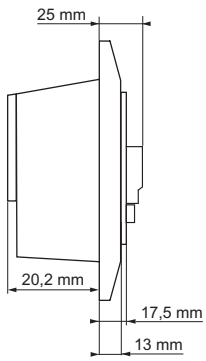
2. WHITE RANGE

Description	Cat. No.	Characteristics	Weight (g)
RCD socket, 2 G	7300 97	Double pole, 30 mA Active	225
RCD socket, 2 G	7300 98	Double pole, 30 mA Passive	225

3. DIMENSIONS (mm)



3. DIMENSIONS (mm) *(continued)*



4. INSTALLATION

- All products supplied with 2 x M 3.5 fixing screws and 2 thermo-plastic screw covers.

Flush mounting :
It is recommended that redundant top and bottom fixing lugs are bent back to increase room for mechanisms and their attendant wiring.
- 25 mm minimum depth back box suitable for RCD 13 A sockets.
- 35 mm recommended depth back box for extra wiring space.

Surface mounting :
2 Gang pattress, depth 35 mm, Cat. No 7364 10

5. CONNECTION

5.1 Terminal capacity (including earth)
- 3 x 2.5 mm^2
- 2 x 6.0 mm^2
- 2 x 4.0 mm^2
- Recommended screwdriver size : 5 mm flat blade
- Recommended tightening torque : 1.2 Nm

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6. GENERAL CHARACTERISTICS

6.1 Mechanical characteristics

- IP rating : IP2X
- IK rating : IK01

6.2 Electrical characteristics

- 250 Vac 50/60 Hz supply. 16 A maximum combined total load.

Active type RCD mechanism : Trips on loss of mains supply (> 60ms). Must be manually reset following power restoration. Suitable for use with rotating machinery where a sudden start-up could be hazardous.

Passive type RCD mechanism : Remains latched following loss of mains supply. Suitable for use in circumstances where nightly power shutdowns would otherwise necessitate constant resetting of the device.

Double pole contact mechanism with a minimum separation of 3 mm

Trip speed : < 200 ms at rated trip current
< 40 ms at 5x rated trip current

Short circuit withstand current : 1500 A

Detection of pulsating DC fault currents

6.3 Material properties

- Base : polycarbonate, self-extinguishing at 850° C / 30 s
- Frontplate : thermoset urea, self-extinguishing at 960° C / 30 s
- Test/Reset buttons : polycarbonate as above

6. GENERAL CHARACTERISTICS *(continued)*

6.4 Resistance to chemicals

Resistance to chemical agents	PC	UREA
Acetone	n	l
Acetic acid 10 %	S	-
Hydrochloric acid	S (20%)	n
Citric acid 10 %	S	-
Hydrofluoric acid 4 %	S	l
Lactic acid 10 %	S	-
Nitric acid 10 %	S	-
Phosphoric acid 85 %	l	n
Sulphuric acid 25 %	S	n
Tannic acid	n	-
Cleaning agents containing traces of ammonia quaternaires	n	S
Ethyl alcohol	S	l
Methyl alcohol (methanol)	l	l
Ammonia	n	l
Aniline	n	l
Benzene	n	l
Lime	n	l
Liquid chlorine	n	-
Barium chloride	S	-
Chlorinated lime 20 %	S	-
Javel water	S	-
Seawater	S	-
Oil	S	S
Milk	S	-
Fuel	S	l
Petroleum oil, petroleum ether	l	l
Caustic soda	n (40%)	S (25%)
Sugar	S	-
Toluene	n	-
Trichlorethylene	n	l
Urine	S	-
Wine	S	-

6.5 Functional limitations

- Products may be stored and used at temperatures between - 5° C and + 40° C
- Maximum average temperature in any 24 hour period not to exceed 25° C.

7. MAINTENANCE

The use of abrasives or solvent-based cleaners is strictly forbidden as it could result in irreparable damage to the products external surfaces. We recommend the use of a soft, slightly damp cloth to remove finger-prints, etc...

8. ACCESSORIES

- Spare fareplate screw concealment plugs, Cat. N° 7301 53 (50 per pack).

9. CONFORMITY TO STANDARDS

BS 7288